



Radio Dispatch Engineering Group

IP-224 BETA Version 2.101 Engineering Release Notes

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Revision A April 28, 2016



IP-224 Version 2.101 Release Notes

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Revision History

Revision	Date	Author	Description
Initial	04/08/16	Radio Dispatch Engineering Group	Official 2.100 Release
Α	04/28/16	Radio Dispatch Engineering Group	Updated IP-224 Version 2.101

Overview

This document contains the release notes for the IP-224's firmware version 2.101. The release notes include all of the changes and fixes since official release version 2.100. Cross application compatibilities are outlined in this document.

Important

After upgrading from a previous firmware revision to version 2.000 or newer, the unit will reboot and begin the process of updating system components. During the update process, the unit will display "Firmware Updating". This update process takes approximately 1 minute, after which the unit will self-reboot and operate normally. Ensure that the unit completes the update cycle and boots normally before removing power from the unit.

After the IP-224 firmware has been upgraded to version 1.200 or newer, the firmware cannot be reverted to any previous version (1.102 or earlier). Any attempt to downgrade the firmware version via TSM will be refused by the IP-224.

Starting with IP-224 firmware version 2.000, some serial controlled radio types now require an option code to enable. See the table below for serial controlled radios requiring an option code to fully function.

New Features

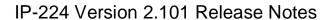
<u>Version 2.101</u>

NA

Feature improvements and known issues fixed in this release

Version 2.101

- Changed TETRA Serial Types Per Line Setup->Function Tone Setup->ISSI/GSSI Number range to 0-16777215 for Trunked GC, Trunked HDPC, and Direct GC.
- Fixed an issue where transmit was turned off before the entire TX Delay buffer was played.





Serial Type Information

Serial Type	Device	Tested Device Firmware	IP-224 Additional
			Features Access Key
EFJ 5300/VMx00	EFJohnson RS-5300	4.14.5	EFJohnson Radio
	EFJohnson 53SL ES	6.16.18	1 or 2 Lines
	EFJohnson VMx00	8.12.17	
	Multi-System radio		
Hytera MD782	Hytera MD782G	7.00.11.007	DMR Interface
	DMR radio		Enables 2 Lines
Hytera MT680	Hytera MT680	V2.06.15.009	TETRA Interface
	TETRA radio		Enables 2 Lines
Icom	Icom IDAS IC-Fx061	Rev.5.4 - Checksum: \$BC4F	NXDN Interface
	Option Board UT-126H	Rev.3.2 – Checksum: \$F961	Enables 2 Lines
	NXDN radio		
iDEN	Motorola i355	NA	iDEN Radio
	Motorola i365	NA	1 or 2 Lines
	iDEN radio		
Not Tested this Release	Not Tested this Release	Not Tested this Release	Not Tested this Release
Kenwood 5x10	Kenwood TK-5x10 Ver. 2.0	F4.41 – Checksum FBF1	P25 Interface
	Kenwood TK-5x10 Ver. 2.0 - DOS	F4.41 – Checksum E346	Enables 2 Lines
	Kenwood TK-5x10 Ver. 3.0	G6.08 – Checksum 0354	
	Kenwood TK-5x10 Ver. 3.0 - DOS	G6.01 – Checksum 9780	
LA LAIFVEDOE	P25 radio	470 01 1 0000	AD/DALL (
Kenwood NEXEDGE	Kenwood NX-x00	4.76 – Checksum 8DB6	NXDN Interface
16 1 450	NXDN radio	4.07. 01. 1	Enables 2 Lines
Kenwood x150	Kenwood TK-x150	1.07 – Checksum E282	No Access Key Required
16 1 400	Conventional Analog radio	100 01 1 0050	N A K 5
Kenwood x180	Kenwood TK-x180	1.22 – Checksum 035C	No Access Key Required
Kenwood x80	Conventional Analog radio	.028 – Checksum 0ADE	No Assess Kay Dawing d
Kenwood x80	Kenwood TK-x80 Ver. 2.0	.028 - Checksum UADE	No Access Key Required
Kenwood x90	Conventional Analog radio Kenwood TK-x90	2.27 – Checksum 7C44	No Assess Kay Deguired
Kenwood x90		2.27 – Checksum 7C44	No Access Key Required
MOTOTRBO Interface	Conventional Analog radio	01.12.15	DMR Interface
MOTOTRBO Interface	Motorola XPR4550 Option Board Version (XPR4550)	01.12.15	Enables 2 Lines
	Motorola XPR5350	01.07.40	Enables 2 Lines
	Motorola XPR5550	02.50.04	Sorial Type
	DMR radio	02.30.04	Serial Type MOTOTRBO Interface
	Divil Cradio		
			Available on 1 Line
			Only per unit
MTRBi	MTRBi	MTRBi version 1.200	No Access Key Required
	Motorola XPR4550	01.12.15	
	Option Board Version (XPR4550)	01.07.40	
	Motorola XPR5350	02.50.04	
	Motorola XPR5550	02.50.04	
	DMR radio		



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Serial Type	Device	Tested Device Firmware	IP-224 Additional Features Access Key
Davis Tours	DawerTweek MDT 400	07.00.04	,
PowerTrunk	PowerTrunk MDT-400	27.00.01	TETRA Interface
	TETRA radio		2 Lines
Sepura	Sepura SRM2000	V8.3-002	TETRA Interface
	Sepura SRG3500	V9.0-006	2 Lines
	TETRA radio		
Serial Over IP	NA	NA	No Access Key Required
Sprint Direct Connect	AdvanceTec AdvanceBridge	V0004	Sprint Direct Connect
	Qualcomm	V1.306	1 or 2 Lines
	Remote Cellular Modem		
Not Tested this Release	Not Tested this Release	Not Tested this Release	Not Tested this Release
Tait TM91xx/TM94xx	Tait TM9100	8.03.01	P25 Interface
	Tait TM9400	2.04.01	2 Lines
	P25 radio		
Tait TM93xx	Tait TM9300	2.08.00	DMR Interface
	DMR radio		2 Lines

Compatibility

C-Soft Application

- Version 6.501+ Necessary for MDC Call Alert Acknowledgement feature.
- Version 6.500+ Necessary for all other features.

Telex System Manager

• Version 2.100+ - Necessary for programming parameters and firmware upgrades.

Installation and Upgrade

Please use Telex System Manager 2.100 or newer to upgrade the firmware. Please refer to the IP-224 manual for information on how to upgrade the new firmware.